



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
AIR POLLUTION CONTROL PROGRAM
1101 RIVERSIDE DRIVE, PO BOX 176
JEFFERSON CITY, MISSOURI 65102-0176

EMISSIONS INVENTORY QUESTIONNAIRE (EIQ)

FORM 2.8 STORAGE PILE WORKSHEET

FACILITY NAME		FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
[1] STORAGE PILE INFORMATION				
POINT NO.		SOURCE CLASSIFICATION CODE (SCC)	SEG. NO.	TYPE OF MATERIAL STORED
	ACTIVITY			
	WIND EROSION			
MOISTURE CONTENT (%) (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES)		
SILT CONTENT (%) (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE) <input type="checkbox"/> BARGE <input type="checkbox"/> RAIL <input type="checkbox"/> TRUCK <input type="checkbox"/> CONVEYOR <input type="checkbox"/> OTHER (SPECIFY) _____	RAW MATERIAL UNLOADING METHOD (CHECK ONE) <input type="checkbox"/> BARGE <input type="checkbox"/> RAIL <input type="checkbox"/> TRUCK <input type="checkbox"/> CONVEYOR <input type="checkbox"/> OTHER (SPECIFY) _____	
STORAGE DURATION (DAYS)				
ANNUAL AMOUNT STORED (TONS)				
MAXIMUM HOURLY AMOUNT STORED (TONS)				
[2] OTHER FACTORS AFFECTING EMISSION RATES				
MEAN WIND SPEED (MPH) (DEFAULT = 10 MPH)		% OF TIME WIND > 12 MPH (DEFAULT = 32%)		
DRY DAYS PER YEAR (DEFAULT = 260 DAYS)		VEHICLE ACTIVITY FACTOR (DEFAULT = 1.0)		
[3] STORAGE PILE EMISSION FACTOR CALCULATIONS				
CALCULATION	FORMULA			RESULT
[3-A-1] LOAD IN – LOAD OUT COMPONENT	$.00224 \times (\{\text{MEAN WIND SPEED}\} / 5)^{1.3} / (\{\text{MOISTURE CONTENT} (\%)\} / 2)^{1.4}$			
[3-A-2] VEHICLE ACTIVITY COMPONENT	$0.05 \times (\{\text{SILT CONTENT} (\%)\} / 1.5) \times (\{\text{DRY DAYS PER YEAR}\} / 235) \times \{\text{VEHICLE ACTIVITY FACTOR}\}$			
[3-A-3] ACTIVITY PM10 EMISSION FACTOR	{[3-A-1] LOAD IN–LOAD OUT COMPONENT} + {[3-A-2] VEHICLE ACTIVITY COMPONENT}			
[3-B] WIND EROSION PM10 EMISSION FACTOR	$0.85 \times (\{\text{SILT CONTENT} (\%)\} / 1.5) \times (\{\text{STORAGE DURATION (DAYS)}\} \times (\{\text{DRY DAYS PER YEAR}\} / 235) \times (\{\%\text{ OF TIME WIND} > 12 \text{ MPH}\} / 15))$			
PLEASE NOTE				
If you use a Source Classification Code (SCC) number and Emission Factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.				